Molekula Ltd
1 Millennium Way
Durham
Newton Aycliffe, DL5 6JW
United Kingdom
info@molekula.com
+443302000333

Specification

Technical Data Sheet

CAS	SPECIFICATION	STORAGE	MOLECULAR WEIGHT
378-44-9	v1 · 06 Oct 2026	Ambient	392.46

PRODUCT

Betamethasone

Product number	56898934
CAS number	378-44-9
Molecular formula	C22H29FO5
Molecular weight	392.46 g/mol

PARAMETER	SPECIFICATION
Appearance	White or almost white crystalline powder
Assay	(UV, basis on drying):97.0% - 103.0%
Acetone	<5000ppm
Conclusion	Complies with the requirements of EP7
Loss on Drying	<0.5%
Single Impurity	<1%
Chloroform	<60ppm
Dichloromethane	<600ppm
Ethyl acetate	<5000ppm
Identification (B,C)	Complies with standard
Methanol	<3000ppm
Solubility	Practically insoluble in water ,sparingly soluble in anhydrous ethanol, very slightly soluble in methylene chloride.
Specific optical rotation	118°- 126°
Total Impurities	<2%
DMF	<880ppm

This document was computer generated and therefore does not require a signature

SPECIFICATION STATEMENT	The values stated above represent the standard specification for this product, issued under **Molekula Ltd**'s quality management system. Batch-specific results are provided on the Certificate of Analysis.
STORAGE	Store as indicated on the product label, away from light, moisture and incompatible materials.

Molekula Ltd would like to thank you for your support of our products and service.

Reg No 6879903 VAT GB 744 9721 05